



11-17-04

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0081
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/615623
Filing Date	07/08/2003
First Named Inventor	Abraham
Art Unit	1651
Examiner Name	Afremova
Attorney/Docket Number	68603-489CN2

5

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request (Supplemental) <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): - Postcard
<input type="checkbox"/> Remarks Also Enclosed: - Form PTO-1449; 3 references		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Wilmer Cutler Pickering Hale and Dorr LLP		
Signature			
Printed name	Alison E. Corkery		
Date	11/16/2004	Reg. No.	52,770

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name		Date	11/16/2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Date of mailing: 11/16/2004

PTO/SB/17 (10-04)

Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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NOV 16 2004
PATENT & TRADEMARK OFFICE

FEE TRANSMITTAL for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 180.00)

Complete if Known

Application Number	10/615623
Filing Date	07/08/2003
First Named Inventor	Abraham
Examiner Name	Afremova
Art Unit	1651
Attorney Docket No.	68603-489CN2

METHOD OF PAYMENT (check all that apply)

 Check Credit card Money Order Other None
 Deposit Account:

Deposit Account Number 08-0219
 Deposit Account Name Wilmer Cutler Pickering Hale and Dorr LLP

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) or any underpayment of fee(s)
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1001 780	2001 395	Utility filing fee			
1002 350	2002 175	Design filing fee			
1003 550	2003 275	Plant filing fee			
1004 790	2004 395	Reissue filing fee			
1005 160	2005 80	Provisional filing fee			
SUBTOTAL (1) (\$)		0.00			

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
	-20** =	X	
Independent Claims	- 3** =	X	
Multiple Dependent		0	= 0

Large Entity	Small Entity	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 88	2201 44	Independent claims in excess of 3
1203 300	2203 150	Multiple dependent claim, if not paid
1204 88	2204 44	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2) (\$)		0.00

**or number previously paid, if greater. For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity

Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 430	2252 215	Extension for reply within second month	
1253 980	2253 490	Extension for reply within third month	
1254 1,530	2254 765	Extension for reply within fourth month	
1255 2,080	2255 1,040	Extension for reply within fifth month	
1401 340	2401 170	Notice of Appeal	
1402 340	2402 170	Filing a brief in support of an appeal	
1403 300	2403 150	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,370	2501 685	Utility issue fee (or reissue)	
1502 490	2502 245	Design issue fee	
1503 660	2503 330	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	180.00
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 780	2809 395	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 790	2810 395	For each additional invention to be examined (37 CFR 1.129(b))	
1801 790	2801 395	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	
Other fee (specify)			
*Reduced by Basic Filing Fee Paid			
		SUBTOTAL (3) (\$)	180.00

(Complete if applicable)

Name (Print/Type)	Alison E. Corkery	Registration No. (Attorney/Agent)	52,770	Telephone 617-526-6738
Signature	Alison E. Corkery		Date	11/16/2004

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENTS
Atty. Docket No. 68603.489CN2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Abraham et al.	Art Unit:	1651
Serial No.:	10/615,623	Examiner:	Afremova, Vera
Filing Date:	July 8, 2003	Conf. No.:	9523
Title:	CHEMICAL CLEANING OF BIOLOGICAL MATERIAL	Customer No.:	23483

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97 the Applicants herewith submit the attached Form PTO-1449 citing the listed references for filing in the above-referenced application.

A copy of the cited patent is not submitted pursuant to 37 C.F.R. §1.98(a)(2)(ii). Copies of the other cited references are enclosed herewith.

The present application is a continuation of U.S. Patent Application No. 09/450577 filed November 30, 1999 (now U.S. Pat. No. 6,599,690), which is a continuation of U.S. Patent Application No. 08/853372 filed May 8, 1997 (now U.S. Pat. No. 5,993,844).

It is respectfully requested that the information enclosed be expressly considered during the prosecution of this application and that the publications be made of record therein and appear among the "References Cited" on any patent to issue therefrom. In this regard, it is asked that the Examiner initial and return a copy of the enclosed Form PTO-1449 with the next Patent Office Communication.

11/19/2004 AWONDAF1 00000073 080219 10615623

01 FC:1806 180.00 DA

US1DOCS 2309178v1

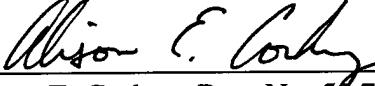
EXPRESS MAIL LABEL NO. EV207559792 US
DATE OF DEPOSIT 16 Nov. 2004

This submission does not represent that a search has been carried out nor does it constitute an admission that the listed documents are material to the patentability of the invention, or that this enclosed art represents prior art. Applicants reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

As this Supplemental Information Disclosure Statement is being submitted after the mailing of a First Office Action, but before the mailing of either a Notice of Allowance or a Final Office Action, pursuant to 37 C.F.R. § 1.97(c), a fee of \$180.00 is due in connection with this submission. Please charge this fee to Deposit Account No. 08-0219. No other fees are believed due, however, the Commissioner is authorized to debit any deficiencies or credit any overpayments to Deposit Account No. 08-0219.

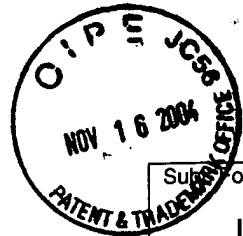
Respectfully submitted,

Date: Nov. 16, 2004



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<p>Subj: For, PTO-1449 RADEMAKER</p> <p>INFORMATION DISCLOSURE IN AN APPLICATION</p> <p><i>(Use several sheets if necessary)</i></p>	<p>Docket Number 68603-489CN2</p> <p>Applicant Abraham, et al.</p>	<p>Application Number 10/615,623</p>
<p>Sheet 1 OF 1</p>	<p>Filing Date 7/8/2003</p>	<p>Group Art Unit 1651</p>

U.S. Patent Documents

U.S. Patent Documents				
Examiner Initial	Document Number	Publn. Date mm-dd-yyyy	Name Of Patentee Or Applicant Of Cited Documents	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
	US-5,397,353	03/14/1995	Oliver, et al.	

Foreign Patent Documents

Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

Examiner's Initial	Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)	
	AA	Cobb, et al., "Histology After Dural Grafting with Small Intestinal Submucosa", Surg. Neurol., 46:389-94 (1996)
	AB	Matsumoto, et al., "Further Application of Intestinal Submucosa as a Patch Graft", Surgery, 61(4): 584-587 (1967)
	AC	Steven, et al., "Polymeric Collagen Isolated from the Human Intestinal Submucosa", Gut, 10:484-487 (1969)
	AD	
	AE	
	AG	
	AH	
	AI	
	AJ	
	AK	
	AL	

EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP § 609: Draw Line through citation if not conformance and not considered. Include copy with next communication to applicant.